



# UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/617,291	07/10/2003	Constantin Hauer	TRW(ASG)6651	2651
7590	11/10/2004		EXAMINER	
TAROLLI, SUNDHEIM, COVELL, TUMMINO & SZABO L.L.P. 526 SUPERIOR AVENUE 1111 LEADER BLDG. CLEVELAND, OH 44114-1400			LUONG, VINH	
			ART UNIT	PAPER NUMBER
			3682	

DATE MAILED: 11/10/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Office Action Summary</b>	Application No.	Applicant(s)
	10/617,291	HAUER ET AL.
	Examiner	Art Unit
	Vinh T Luong	3682

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) Responsive to communication(s) filed on \_\_\_\_.
- 2a) This action is FINAL.                            2b) This action is non-final.
- 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) Claim(s) 1-6 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_ is/are withdrawn from consideration.
- 5) Claim(s) \_\_\_\_ is/are allowed.
- 6) Claim(s) 1-6 is/are rejected.
- 7) Claim(s) \_\_\_\_ is/are objected to.
- 8) Claim(s) \_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) The specification is objected to by the Examiner.
- 10) The drawing(s) filed on 10 July 2003 is/are: a) accepted or b) objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) All    b) Some \* c) None of:
  1. Certified copies of the priority documents have been received.
  2. Certified copies of the priority documents have been received in Application No. \_\_\_\_.
  3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.



Vinh T. Luong  
Primary Examiner

**Attachment(s)**

1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)	4) <input type="checkbox"/> Interview Summary (PTO-413) Paper No(s)/Mail Date. ____.
2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)	5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)
3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date ____.	6) <input type="checkbox"/> Other: ____.

1. The drawings are objected to because each part of the invention such as the second detent element in claim 1 should be designated by a referential numeral or character.

Corrected drawing sheets in compliance with 37 CFR 1.121(d) are required in reply to the Office action to avoid abandonment of the application. Any amended replacement drawing sheet should include all of the figures appearing on the immediate prior version of the sheet, even if only one figure is being amended. The figure or figure number of an amended drawing should not be labeled as "amended." If a drawing figure is to be canceled, the appropriate figure must be removed from the replacement sheet, and where necessary, the remaining figures must be renumbered and appropriate changes made to the brief description of the several views of the drawings for consistency. Additional replacement sheets may be necessary to show the renumbering of the remaining figures. The replacement sheet(s) must be labeled "Replacement Sheet" in the page header (as per 37 CFR 1.84(c)) so as not to obstruct any portion of the drawing figures. If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

2. The drawings are objected to under 37 CFR 1.83(a). The drawings must show every feature of the invention specified in the claims. Therefore, the claimed feature such as the second detent element in claim 1 must be shown or the feature canceled from the claims. No new matter should be entered.

3. The disclosure is objected to because of the following informalities: each part of the invention such as the second detent element in claim 1 should be designated by a referential numeral or character. Appropriate correction is required.

4. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

5. Claims 1-6 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

The recitations, such as, "is able to be connected" and "can engage" in claim 1 are vague and indefinite in the sense that things which may be done are not required to be done, e.g., the first detent element can engage, but is not required structurally to be engaged into the second detent element. See "crimpable" and "discardable" in *Mathis v. Hydro Air Industries*, 1 USPQ2d 1513, 1527 (D.C. Calif. 1986), "removable" in *In re Burke Inc.*, 22 USPQ2d 1368, 1372 (D.C. Calif. 1992), and "comparable" in *Ex parte Anderson*, 21 USPQ2d 1241, 1249 (Bd. Pat. App. & Inter. 1992).

6. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

7. Claims 1-4, as best understood, are rejected under 35 U.S.C. 102(e) as being anticipated by Derrick et al. (US Patent No. 6,793,237 B2).

The applied reference has a common assignee with the instant application. Based upon the earlier effective U.S. filing date of the reference, it constitutes prior art under 35 U.S.C. 102(e). This rejection under 35 U.S.C. 102(e) might be overcome either by a showing under 37

CFR 1.132 that any invention disclosed but not claimed in the reference was derived from the inventor of this application and is thus not the invention "by another," or by an appropriate showing under 37 CFR 1.131.

Regarding claim 1, Derrick teaches a vehicle steering wheel comprising a skeleton 14, 10 and a first detent element 22 as part of a detent connection for a gas bag module 18 which is able to be connected to said skeleton 14, 10, at least one separate support component 24, 42 being arranged on said skeleton 14, 10, said support component 24, 42 carrying a detent pin 22 as said first detent element 22 which can engage into a second detent element 20 arranged on said gas bag module 18 and complementary to said detent pin 22.

Regarding claim 2, said skeleton 10, 14 of said steering wheel comprises a hub cup 10 on which said support component 24, 42 is arranged. *Ibid.*, column 2, lines 21-50.

Regarding claim 3, said support component 24, 42 is a metal plate.

Regarding claim 4, said support component 24, 42 and said detent pin 22 form a prefabricated assembly. It is well settled that the patentability of a product does not depend on its method of production. *In re Thorpe*, 227 U.S.P.Q. 964, 966 (CAFC 1985); *In re Brown*, 173 U.S.P.Q. 685 (CCPA 1972); *In re Fessmann*, 180 U.S.P.Q. 324 (CCPA 1974); *Ex parte Edwards*, 231 U.S.P.Q. 981 (BPAI 1986); and M.P.E.P. 2113.

8. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

9. Claims 1, 2, and 4, as best understood, are rejected under 35 U.S.C. 102(b) as being anticipated by Bohn et al. (US Patent No. 6,312,012 B1).

Regarding claim 1, Bohn teaches a vehicle steering wheel comprising a skeleton 1-3 and a first detent element 10 or 10,26 (Fig. 3) as part of a detent connection for a gas bag module 5 which is able to be connected to said skeleton 1-3, at least one separate support component 8, 8' (*id.*, col. 2, lines 46-64) being arranged on said skeleton 1-3, said support component 8, 8' carrying a detent pin 10 or 10,26 as said first detent element 10 or 10,26 which can engage into a second detent element 25 or 25' arranged on said gas bag module 5 and complementary to said detent pin 10 or 10,26.

Regarding claim 2, said skeleton 1-3 of said steering wheel comprises a hub cup 1 (Fig. 1) on which said support component 8, 8' is arranged.

Regarding claim 4, said support component 8, 8' and said detent pin 10 or 10,26 form a prefabricated assembly. It is well settled that the patentability of a product does not depend on its method of production. *In re Thorpe*, *In re Brown*, *In re Fessmann*, *Ex parte Edwards*, and M.P.E.P. 2113, *supra*.

10. Claims 5 and 6 would be allowable if rewritten to overcome the rejection(s) under 35 U.S.C. 112, 2nd paragraph, set forth in this Office action and to include all of the limitations of the base claim and any intervening claims.

11. As allowable subject matter has been indicated, applicant's reply must either comply with all formal requirements or specifically traverse each requirement not complied with. See 37 CFR 1.111(b) and MPEP § 707.07(a).

12. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure: Rabagliano et al. (pin 8), Kaneko (support 8), Schutz (support 42), Schutz (Figs. 1-7), and Walters (Figs. 1-8).

13. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Vinh T. Luong whose telephone number is 703-308-3221. The examiner can normally be reached on Monday, Tuesday, Thursday, and Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David Bucci can be reached on 703-308-3668. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Luong

November 1, 2004



Vinh T. Luong  
Primary Examiner